McNaughton Legacy SHRIMP Mount Collection

by

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Abstract

The McNaughton Legacy SHRIMP Mount Collection data layer represents a collection of geochronology samples and associated digital information donated to the Geological Survey of Western Australia (GSWA) by Professor Neal McNaughton of the John de Laeter Centre (JdLC) at Curtin University, and provided as part of the Curtin University Preservation of Legacy Collections Project (Fig. 1).

Neal McNaughton served in the role of sensitive high-resolution ion microprobe (SHRIMP) geochronologist at the Centre for Global Metallogeny (1994–2005) and the Centre for Exploration Targeting (2005–07), both at The University of Western Australia and at the JdLC (2007–19).

The data layer is best accessed using GeoVIEW.WA. This online interactive mapping system allows data to be viewed and searched together with other datasets, including GSWA and Geoscience Australia geochronology data, geological maps and mineral exploration datasets. The McNaughton collection data layer is also available for download from the Data and Software Centre, as ESRI Shape files and MapInfo Tab files.

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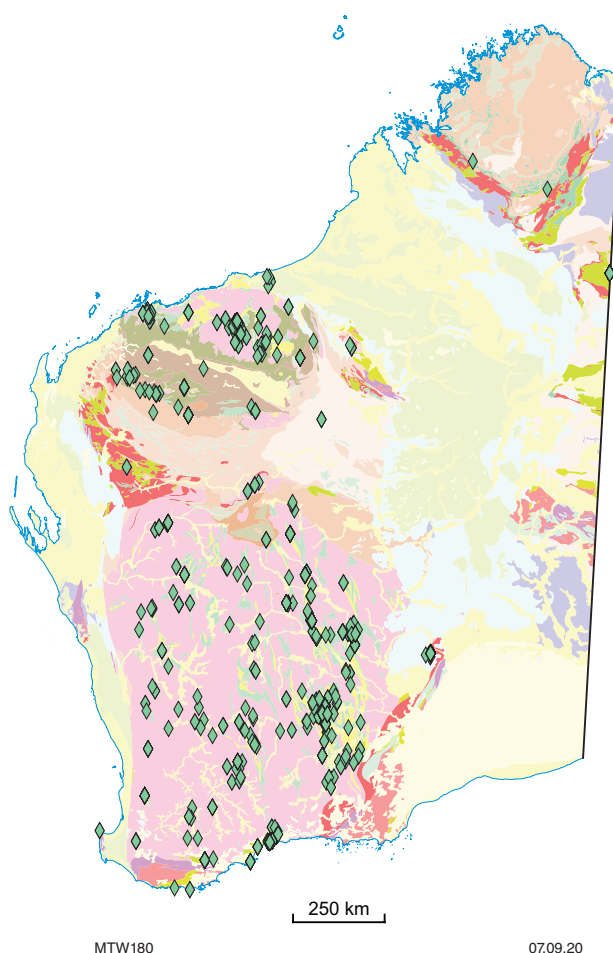
Figure 1. **Locations of Western Australian samples represented in the McNaughton Legacy SHRIMP Mount Collection**

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Western Australian mineral samples in the form of SHRIMP mounts in the McNaughton collection are curated by GSWA. These samples, as well as about 1700 GSWA geochronology samples listed in the accompanying GSWA geochronology layer, are available for access by researchers via email request to GSWA (geochronology@dmirs.wa.gov.au).

The geochronology samples and associated data were compiled as part of the Curtin University Preservation of Legacy Collections Project, which was responsible for the content. Limited editing has been undertaken by GSWA. The project was jointly funded by AuScope, GSWA and Curtin University. Project sponsor was Brent McInnes (JdLC Director) and data were collated by Eleanore Blereau (JdLC), with project support from Amanda Bellenger (Curtin Library), and technical support and advice from Peter Green, David Lewis, John Brown and Colin Meikle (Curtin Library) and Michael Wingate (GSWA). The digitization team included Shereen Roy, Ravi Patel, Nicole Nevill, Hannah Whitaker, Brendon Lynn and Payal Panchal.

Download additional information about the McNaughton Legacy SHRIMP Mount Collection, including samples not listed in the data layer due to their origin outside Western Australia or incomplete contextual data here (opens MS Excel worksheet, 1.08 MB). This listing provides additional location, publication and analytical details, where available.

Recommended reference

Blereau, E, Bellenger, A, McNaughton, NJ, McInnes, BIA and Wingate, MTD 2020, McNaughton Legacy SHRIMP Mount Collection, Curtin University Preservation of Legacy Collections Project: Geological Survey of Western Australia, digital data layer.